Index of Claims



Application/Control No.

10/689,364 Examiner

John K. Ford

Applicant(s)/Patent under Reexamination

KUMADA ET AL.

Art Unit

3744

| √ | Rejected | |
|----|----------|--|
| II | Allowed | |

(Through numeral) Cancelled

Restricted

Non-Elected N Interference

Appeal Α 0 Objected

| | | L_ | L_ | | | | j | | | L. | | | | | | | |] | L | |
|----------|----------|--------------|--------------|--|--------------|----------|----------------|--|--------------|----------|-----|----------|----------|----------|--|----------|----------|--------------|----------------|-----|
| Claim | | | | | | <u> </u> | | | | | 1 1 | <u> </u> | | | | | | | | _ |
| Claim | | \vdash | | _ | _ | Dat | <u>e</u> | _ | т — | | | Cla | im | Ŀ | _ | r - | | Date | - | |
| Final | Original | 12/06 | | | | | | | | | | Finat | Original | | | | | | i | |
| | (1) | V | - | \vdash | ┢ | ┢ | | ╁ | H | | 1 | | 51 | _ | | | ┢┈ | ┢ | \vdash | H |
| | | Ť | T | 1 | \vdash | \vdash | _ | _ | \vdash | | 1 | | 52 | | \vdash | | <u> </u> | - | \vdash | T |
| | 3 (4) | N | | | Т | \vdash | T | _ | Г | _ | ١٠, | | 53 | | | | \vdash | | | T |
| | 4 | 1 | 7 | Т | \vdash | | Г | | Г | | 1 | | 54 | | | _ | | _ | | T |
| | 4 | 7 | | | - | | | _ | | | 1 1 | | 55 | | | | | Т | | Г |
| | 6 | N | Г | | | | | | | | 1 | | 56 | l | | | | | | Г |
| | 7 | N | | | | | | | | | | | 57 | | | | | | | Г |
| | (8) | V | | | | | | | | | | | 58 | | | | | | | |
| | þ | V | | | L. | | | | | | | | 59 | | | | | | | L |
| | 10 | 1 | | | | | L | | L | | | | 60 | | | _ | | | <u> </u> | L |
| <u> </u> | 11 | | | | | _ | _ | L | | L_ | | | 61 | L | | <u> </u> | | | | L |
| | 12 | <u> </u> | _ | | | | <u> </u> | | ļ | Ŀ | | | 62 | | | | <u></u> | | L | |
| | 13 | L_ | _ | L | <u> </u> | <u> </u> | ļ | L | L | <u> </u> | | | 63 | | <u></u> | ļ | | | ㄴ | Ļ |
| | 14 | <u> </u> | _ | <u> </u> | <u> </u> | | _ | _ | _ | ╙ | | | 64 | _ | | | _ | ļ., | ļ | ļ., |
| | 15 | | _ | | ļ | <u> </u> | <u> </u> | _ | <u> </u> | <u> </u> | | | 65 | <u> </u> | | | ! | _ | <u> </u> | ┡ |
| | 16 | <u> </u> | _ | ┞ | ⊢ | ــــ | <u> </u> | Ŀ | L | <u> </u> | | | 66 | | | <u> </u> | <u> </u> | <u> </u> | \vdash | L |
| | 17 | | _ | ļ | ļ | <u> </u> | - | <u> </u> | ļ | <u> </u> | | | 67 | <u> </u> | <u>. </u> | <u> </u> | _ | ļ | <u> </u> | ┞ |
| - | 18 | - | L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | | ļ | <u> </u> | | - | 68 | ļ | <u> </u> | ļ | - | | <u> </u> | Ł |
| - | 19 | | ├— | ⊢ | ├ | ├ | | - | | ├- | | | 69 | ├ | <u> </u> | | | | - | ╀ |
| - | 20 21 | | ⊢ | | - | ⊢ | ⊢ | ┝ | ⊢ | ⊢ | | | 70 71 | ┝ | <u> </u> | | | | - | ╀ |
| - | 22 | - | - | ├ | - | ├ | ⊢ | - | ⊢ | ├ | | | 72 | ┝ | ┝ | ├ | ┝ | | ├ | ╀ |
| | 23 | - | ├ | - | - | ├ | ├ | - | | - | | | 73 | ├ | ⊢ | ┢ | ⊢ | ┢ | ⊢ | ⊦ |
| | 24 | ┝ | - | ⊢ | ┢ | ├ | ├ | ├─ | ├ | ├ | | | 74 | ├ | - | - | \vdash | | \vdash | ╁ |
| - | 25 | ┢ | - | | ╁ | ┢ | - | ┝ | ┢ | - | | | 75 | ┝╌ | | ┢ | | | - | ╁ |
| | 26 | \vdash | \vdash | | | \vdash | \vdash | \vdash | \vdash | | | | 76 | \vdash | - | - | - | | 一 | ┢ |
| - | 27 | - | - | | \vdash | | - | - | - | | | | 77 | | _ | \vdash | | \vdash | 一 | ┢ |
| | 28 | - | \vdash | - | | - | | | - | _ | | | 78 | | | ┢ | | - | _ | H |
| | 29 | H | Н | | H | t | T | \vdash | T | | | | 79 | | | | _ | | | t |
| | 30 | | | | | | | | | | 1 1 | | 80 | | \vdash | \vdash | | | \vdash | T |
| | 31 | | t | | | | | | | | 1 1 | | 81 | | | | | \vdash | Г | T |
| | 32 | | | Т | | Г | | | | | 1 1 | | 82 | | | | | | _ | Г |
| | 33 | | | | П | | | Π | | | | | 83 | | | | | | | Γ |
| | 34 | | | | | | | | | |] | | 84 | | | | | | | Γ |
| | 35 | | | | | | | | | |] [| | 85 | | | | | | | Γ |
| | 36 | | | 匚 | | | \Box | | 匚 | | | | 86 | | | | | | | Ĺ |
| | 37 | | | | | | | L | 匚 | L | | | 87 | | | | | | | Ĺ |
| | 38 | _ | _ | Щ | <u> </u> | _ | | | | <u> </u> | | | 88 | Ш | L | L_ | <u> </u> | _ | L | L |
| | 39 | <u> </u> | L | <u> </u> | _ | Ŀ | <u> </u> | <u> </u> | Ш. | | | | 89 | L | | _ | | L. | L | L |
| | 40 | <u> </u> | _ | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | | | 90 | L | L. | _ | ⊢ | <u> </u> | <u> </u> | L |
| | 41 | <u> </u> | | | | _ | _ | _ | | L. | | | 91 | | | | <u> </u> | _ | L | L |
| | 42 | \vdash | | ├_ | <u> </u> | ├ | <u> </u> | \vdash | <u> </u> | <u> </u> | | | 92 | <u> </u> | <u> </u> | <u> </u> | <u> </u> | ļ | \vdash | Ļ |
| | 43 | ├- | <u> </u> | ├- | - | | — | <u> </u> | ⊢ | | | | 93 | _ | | \vdash | | <u> </u> | \vdash | Ł |
| - | 44 | | - | <u> </u> | 1— | \vdash | ŀ | | ⊢ | \vdash | | | 94 | | - | | <u> </u> | ├ | ├- | Ł |
| - | 45 46 | ⊢ | - | — | | ├ | <u> </u> | | | ⊢ | | | 95 | H | <u> </u> | \vdash | ⊢ | | ├— | H |
| - | 47 | ⊢ | \vdash | \vdash | 1 | \vdash | | - | | \vdash | | | 96 97 | - | _ | - | \vdash | \vdash | - | ⊬ |
| - | 48 | ┝ | | <u> </u> | - | - | ⊢ | \vdash | \vdash | ├- | | | 98 | H | - | \vdash | ⊢ | ├- | \vdash | ├ |
| - | 49 | \vdash | \vdash | - | \vdash | \vdash | ├ | \vdash | \vdash | \vdash | | | 99 | \vdash | \vdash | \vdash | | ┢ | ├- | ╀ |
| - | 50 | \vdash | - | \vdash | - | - | \vdash | \vdash | - | Ι | | | 100 | - | | - | \vdash | \vdash | - | Ͱ |
| | 1 50 | _ | Ц. | L | L | Щ | l | L | L | I | ı l | | 100 | Ц | Ц_ | L | | <u> </u> | Ц_ | L |

| Cla | Date | | | | | | | | | |
|-------------|----------|----------|--|--|----------|--|----------|----------|----------|----------|
| lat | | | | | | | | | | |
| Final | Original | | | | | | | | | |
| | 51 | | | | | | | | | |
| | 52 | | | | | | | | | |
| | 53 | | \perp | _ | | | | | L. | _ |
| | 54 | | | _ | | _ | | | | L |
| | 55 | | _ | <u> </u> | | | | | _ | <u> </u> |
| | 56 | _ | <u> </u> | <u> </u> | | <u> </u> | | | <u> </u> | _ |
| | 57 | | | ├- | | <u> </u> | | | _ | <u> </u> |
| | 58 59 | | - | - | _ | <u> </u> | | | <u> </u> | - |
| | 60 | | ┢ | ⊢ | H | \vdash | | | - | |
| | 61 | | - | - | | | | | | ┝ |
| | 62 | | - | - | - | ┢ | - | | - | - |
| | 63 | | \vdash | | ┢ | | H | | | ┢ |
| | 64 | | ┢ | | ┢ | \vdash | H | - | ╁ | |
| | 65 | | | | - | | | | | ┢ |
| | 66 | \vdash | | \vdash | \vdash | Г | \vdash | \vdash | - | _ |
| | 67 | | | <u> </u> | | | | | | H |
| | 68 | | \vdash | | | _ | | | | T |
| - | 69 | | | - | - | | | | | T |
| | 70 | | Г | | | | | | | Г |
| | 71 72 | | \Box | | | | | | | |
| | 72 | | | | Ī | | | | | |
| | 73 | | | | | | | | | |
| | 74 | | | | | | | | | |
| | 75 | | | <u> </u> | | | | | <u> </u> | L |
| | 76 | | _ | <u> </u> | | | | | L | |
| | 77 | | | L. | | _ | | | L. | _ |
| | 78 | | <u> </u> | 匚 | | <u> </u> | | _ | <u> </u> | _ |
| | 79 | | <u> </u> | <u> </u> | | <u> </u> | _ | | <u> </u> | L |
| | 80 | | _ | <u> </u> | | <u> </u> | | _ | _ | _ |
| | 81 | | _ | - | | <u> </u> | H | _ | | - |
| | 82 83 | _ | <u> </u> | ├- | | ऻ— | | | | <u> </u> |
| | 84 | <u> </u> | \vdash | ⊢ | \vdash | \vdash | \vdash | _ | <u> </u> | ⊢ |
| | 85 | | - | \vdash | H | - | \vdash | - | \vdash | \vdash |
| | 86 | _ | ├ | ├ | | \vdash | - | - | - | - |
| | 87 | - | ┢ | \vdash | - | \vdash | \vdash | | \vdash | ┢ |
| | 88 | | Ι | 一 | H | | H | _ | \vdash | Н |
| | 89 | Н | Г | \vdash | Н | | Т | \vdash | \vdash | Н |
| | 90 | П | \vdash | | Н | <u> </u> | \vdash | | | Н |
| | 91 | Т | Г | | П | | _ | | | Г |
| | 92 | | | 1 | | | | | | |
| | 93 | | | | | | | | | |
| | 94 | | | | | | | | | |
| | 95 | | | | | | | | | |
| | 96 | | | | | | | | | |
| | 97 | | | | | | | | | |
| | 98 | | | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | L | <u> </u> | | | | _ |
| | 99 | | | <u> </u> | Ш | ldash | <u> </u> | L | | _ |
| | 100 | | ı | l | ı | l | | | | |

| Cla | Date | | | | | | | | | |
|-------|-------------------|--------------|--------------|----------|--------------|----------|--|----------|--------------|-----------------|
| | | | | | | | | | | П |
| ā | Original | | 1 | | | | | | | |
| Final | rig | | | | 1 | | | | | |
| | | | | | | | | | | |
| | 101 102 | | | | | | | | | П |
| | 102 | | | | | | | | | |
| | 103 | | | | | | | | | |
| | 104 | | | | | | | | | |
| | 104 105 | | | | | | | | | |
| | 106 | | | | | | | | | |
| | 107 | | Ŀ | | | | | | | Ш |
| | 108 | _ | _ | | L_ | \Box | _ | | | Ш |
| | 109 | | | | | | _ | | | Щ |
| | 110 | | | | <u> </u> | _ | | _ | | |
| | 111 | \Box | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | L | Ш |
| | 112 | <u> </u> | _ | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | | Ш |
| ļ | 112 113 114 | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | \vdash | Ш |
| L | 114 | H | <u> </u> | <u> </u> | <u> </u> | <u> </u> | | <u> </u> | <u> </u> | Н |
| | 115 | \vdash | _ | \vdash | <u> </u> | <u> </u> | <u> </u> | <u> </u> | ļ | \vdash |
| | 115 116 117 | | <u> </u> | | | <u> </u> | <u> </u> | <u> </u> | | Н |
| | 11/ | - | - | | | \vdash | <u> </u> | <u> </u> | | Н |
| ļ | 118 119 | | | <u> </u> | ├— | <u> </u> | <u> </u> | <u> </u> | | Н |
| | 120 | | _ | \vdash | \vdash | ┝ | \vdash | | H | Н |
| | 120 | | - | | ┝ | \vdash | Н | | H | Н |
| | 121 122 | | _ | _ | H | \vdash | \vdash | | \vdash | Н |
| | 123 | | | <u> </u> | - | \vdash | | | _ | Н |
| | 123 124 125 | - | Η. | | | H | | | | H |
| | 125 | | | | | \vdash | | | | H |
| | 126 | _ | | | | | | | _ | М |
| | 126 127 | | | | | | | | | П |
| | 128 | | | | | | | | | \Box |
| | 129 130 | | | | | | | | | |
| | 130 | | | | | | | | | |
| | 131 | | | | | | | | | |
| | 132 133 | $oxed{oxed}$ | | Ш | Ш | L | \perp | Ц. | Ш | Ц |
| | 133 | | <u> </u> | | L. | | | | | Ш |
| | 134 135 | | | <u> </u> | \vdash | <u> </u> | <u> </u> | <u> </u> | <u> </u> | Щ |
| | 135 | \vdash | \vdash | | Ŀ | L | _ | <u> </u> | | Н |
| | 136 | \vdash | Н | H | | ļ | | _ | H | Н |
| _ | 137 138 139 | \vdash | | Η- | \vdash | \vdash | \vdash | - | - | $\vdash \vdash$ |
| | 130 | Н | - | - | \vdash | \vdash | | H | - | \vdash |
| | 140 | | H | | ┢ | | | H | - | Н |
| | 141 | | Н | | _ | \vdash | \vdash | \vdash | Η- | Н |
| | 142 | | | | Г | Г | Г | Г | Г | П |
| | 143 | | | | | | | | | П |
| | 144 | | | | | | | | | |
| | 145 | | | | | | | | | |
| | 146 | | | | | | | | | |
| | 147 | | | | | | | | | |
| | 148 | | | | | | | L_ | | \square |
| | 149 | | L | | L | L_ | <u> </u> | L | | Ш |
| | 150 | | | | | L | | L | | Ш |